

Title (en)

STABILIZED EDIBLE OIL-IN-WATER EMULSION COMPRISING GROUND PULSE SEED

Title (de)

STABILISIERTE ESSBARE ÖL-IN-WASSER-EMULSION MIT GEMAHLENEN HÜLSENFRUCHTSAMEN

Title (fr)

ÉMULSION À PHASE CONTINUE AQUEUSE STABILISÉE ET COMESTIBLE COMPRENANT DES GRAINES DE LÉGUMINEUSES BROYÉES

Publication

**EP 2658392 B1 20150415 (EN)**

Application

**EP 11790995 A 20111206**

Priority

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Abstract (en)

[origin: WO2012089448A1] The present invention relates to edible oil-in-water emulsions that have been stabilized by incorporation of a small quantity of ground, pulse seed and a related process of production thereof. More particularly, the invention provides an edible oil-in-water emulsion comprising: 15-80 wt. % of a continuous aqueous phase, said aqueous phase having a pH in the range of 3.0-5.0; 20-85 wt. % of a dispersed oil phase comprising more than 80 vol.% of oil droplets having a diameter of less than 20 µm; wherein the emulsion has an elastic modulus G' at 20°C of 100-3500 Pa and contains 0.1-8% of finely ground pulse seed, calculated as dry matter by weight of aqueous phase, said finely ground pulse seed being obtained from pulse seed having the following composition, calculated on dry matter: 30-60 wt. % of starch; 1-40 wt. % of dietary fiber; 0.5-12 wt. % of sugars; 15-35 wt.% of protein; 0.8-12 wt. % of oil; wherein starch, dietary fiber, sugars, protein and oil together make up 95-100 wt. % of the dry matter contained in the pulse seed; and wherein the pulse seed contains starch and protein in a weight ratio of 2:3 to 3:1.

IPC 8 full level

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CPC (source: EP US)

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